

Converting Colors

CIELCh(64, 9.051, 41.615)

Have a look what the booklet for
CIELCh(64, 9.051, 41.615) contains.

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Color

CIELCh(64, 9.038, 41.617)

Conversions

Conversions Part 1

Format	Color
Hex	AC9791
RGB	172, 151, 145
RGB Percent	67%, 59%, 57%
CMY	0.3268, 0.4091, 0.4326
CMYK	0.00, 0.12, 0.16, 0.33
HSL	13°, 14%, 62%
HSV	13°, 16%, 67%
XYZ	33.0459, 32.8017, 31.2526
YIQ	156.5950, 14.4420, 2.5860

Conversions

Conversions Part 2

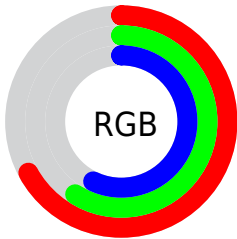
Format	Color
RYB	172, 153, 145
Decimal	11310993
CIELab	64.00, 6.76, 6.00
CIELCh	64, 9.038, 41.617
Yxy	32.8017, 0.3403, 0.3378
Android (android.graphics.Color)	4289501073 (0xFFAC9791)
YUV	156.5950, -5.7163, 13.5102
Hunter-Lab	57.2727, 2.7656, 7.7376

Details

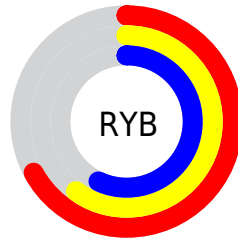
The CIELCh color $64, 9.038, 41.617$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 8.195, 222.838$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 9.182, 39.953$, and $44, 8.789, 40.057$ is the 20% darker color. If you saturate the color by 10%, you get $60, 15.400, 41.510$, and if you desaturate by 10%, it is $68, 3.159, 41.775$.

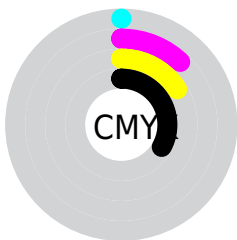
Distribution



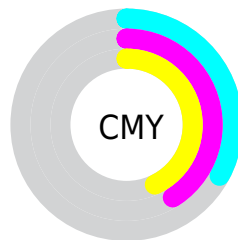
- Red (67%)
- Green (59%)
- Blue (57%)



- Red (67%)
- Yellow (60%)
- Blue (57%)



- Cyan (0%)
- Magenta (12%)
- Yellow (16%)
- Black (33%)




- Cyan (33%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 9.038, 41.617 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 9.038, 41.617 by changing the saturation by 10% instead.

 64, 9.038, 41.617  64, 9.038, 41.617

 100, 9.038, 41.617  54, 9.038, 41.617

 84, 9.038, 41.617  44, 9.038, 41.617


 94, 9.038, 41.617  34, 9.038, 41.617

 24, 9.038, 41.617

 14, 9.038, 41.617

 4, 9.038, 41.617

 0, 9.038, 41.617

 64, 9.038, 41.617  64, 9.038, 41.617

 60, 15.400, 41.510  68, 3.159, 41.775

56, 22.281, 41.509

72, 2.279, 222.457

53, 29.697, 41.668

76, 7.322, 222.686

49, 37.629, 42.017

80, 12.016,
223.073

46, 45.993, 42.565

84, 16.402,
223.500

43, 54.580, 43.265

41, 62.915, 43.926

88, 20.519,
223.946

39, 70.019, 44.102

92, 23.308,
212.084

38, 72.918, 44.376

95, 26.298,
197.796

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 9.038, 41.617



67, 8.195, 222.838

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 9.038, 41.617



64, 9.038, 91.617



64, 9.038, 221.617



64, 9.038, 271.617

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 9.037, 41.630



87, 3.425, 41.774



63, 15.670, 332.088



46, 2.340, 41.775



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 9.037, 41.630



80, 13.782, 41.576



68, 11.041, 93.016



35, 3.198, 41.738



33, 65.785, 44.549



3, 6.683, 37.332

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67, 8.195, 222.838



84, 12.192, 223.043



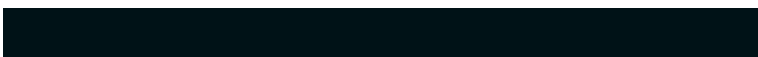
63, 11.103, 276.995



36, 3.025, 222.553



46, 29.985, 239.648



4, 6.397, 231.548

Previews

White Background



This preview shows how the CIELCh color 64, 9.038, 41.617 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 9.038, 41.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

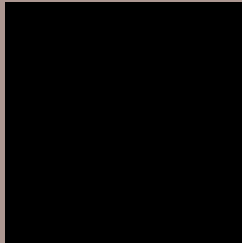
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 9.038, 41.617

Background



This preview shows how black text looks on a background with the CIELCh color 64, 9.038, 41.617.



This preview shows how white text looks on a background with the CIELCh color 64, 9.038, 41.617.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64, 9.038, 41.617

Protanopia

64, 4.842, 85.754

Deuteranopia

64, 10.012, 36.243



Tritanopia
64, 12.068, 347.058

Trichromacy



Original Color
64, 9.038, 41.617

Protanomaly
64, 5.826, 61.424

Deuteranomaly
64, 9.619, 36.885

Tritanomaly
64, 9.796, 3.901

Monochromacy



Original Color
64, 9.038, 41.617

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 3.295, 39.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 9.038, 41.617 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(172, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(172, 151, 145)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(172, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 151, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 9.038, 41.617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 151, 145) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(172, 151, 145) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(172, 151, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(172, 151,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 9.038, 41.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 151, 145) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(172,  
151, 145) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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